

**STATEMENT  
OF  
WORK**

**(SOW)**

**FOR THE REBUILD OF  
THE AAV POWER RELAY UNIT**

**NSN 1010-01-258-9660**

**SOW-04-CBG-8C958B-1/1**

**December 14, 2001**

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AAV POWER RELAY UNIT  
NSN 1010-01-258-9660  
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NSN 1010-01-258-9660**

**1.0 SCOPE.** This Statement of Work (SOW), along with TM 10004A-25&P/2 establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Power Relay Unit. This document contains minimum requirements to restore the AAV Power Relay Unit to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned material which is serviceable and issuable to all customers without limitations or restrictions". The AAV Power Relay Unit is identified by National Stock Number 1010-01-258-9660.

**1.1 BACKGROUND.** Rebuild is defined as that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable parts using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

**2.0 APPLICABLE DOCUMENTS.** The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

**2.1 Military Standards**

MIL-STD-2073-1D	DoD Standard Practice for Military Packaging
MIL-STD-129	Standard Practice for Military Marking

**2.2 Other Government Documents and Publications**

DoD 4160.21-M	Defense Disposition Manual
TM 10004A-25&P/2	Maintenance Instruction Upgunned Weapons Station (UGWS), Assault Amphibious Vehicle Personnel Models 7A1, AAVP7A1
TM 2350-45	DMA Standard Procedures

Engineering Drawing 6289559      Power Relay Unit  
CAGE 80064

DoD 4000.25-1-M      MILSTRIP Manual

Military Handbooks (For Guidance)

MIL-HDBK-61      Configuration management Guidance

2.3 Industry Standards

ANSI/ISO/ASQC Q9003-1994      Quality Systems-Model for Quality  
Assurance in Final Inspection and Test

Industry Standards (For Guidance)

ANSI/EIA-649      National Consensus Standard for Configuration  
Management

Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Document Automation and Production Service, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Commercial (215) 697-2179 or DSN 442-2179 or <http://www.dodssp.daps.mil>. Copies of other Government documents and publications required by contractors in connection with specific SOW requirements shall be obtained from Commander, Marine Corps Logistics Bases, Attn: Publication Unit (Code 5863B), Albany Georgia 3174-5000, commercial telephone number (229) 639-6258 or DSN 567-6258. Copies of Engineering drawing, if applicable, shall be obtained from Supply Chain Management Center, Attn: (Code 583-1) 814 Radford Blvd., STE 20320, Albany, Georgia, 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the Contractor shall:

a. Provide materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the AAV Power Relay Unit fully operational. Upon completion of the rebuild, the AAV Power Relay Unit shall be Condition Code "A".

b. Conduct final-on-site testing which shall be witnessed by Marine Corps System Command (MCSC) (CBG), Albany, Georgia representative at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the AAV Power Relay Unit as specified in TM 10004A-25&P/2, and TM 2350-45.

d. Ensure all AAV Power Relay Units meet the configuration of Engineering Drawing 6289559, CAGE 80064.

e. All mandatory replacement parts identified in TM 10004A-25&P/2 shall be replaced 100%. Economical replacement parts may be reused if they meet the applicable inspection requirements in TM 2350-45. All parts shall be disposed of in accordance with DoD 4160.21-M.

**3.2 Detailed Tasks.** The following tasks describe the different phases for the rebuild of the AAV Power Relay Unit.

**3.2.1 Phase I - Rebuild.** The contractor shall receive AAV Power Relay Unit for rebuild. The contractor shall then disassemble the AAV Power Relay Unit into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 10004A-25&P/2, ANSI/ISO/ASQC Q9003-1994, and this SOW. The Contractor shall be responsible for supplying all equipment, tools, test equipment, and materials for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the AAV Power Relay Unit is defined by the specifications annotated on current revision levels of Engineering drawing 6289559, CAGE 80064.

**3.2.2 Phase II - Inspection, Testing, and Acceptance.** Inspection, testing, and acceptance of the AAV Power Relay Unit shall be conducted in accordance with TM 10004A-25&P/2 and ANSI/ISO/ASQC Q9003-1994. Any deficiencies discovered will be corrected by the contractor.

**3.2.3 Phase III - Packaging, Handling, Storage and Transportation (PHS&T)**

a. The contractor shall be responsible for preservation and packaging of the items being repaired under the terms of this statement of work. Items scheduled for long term storage or overseas shipment shall be in accordance with level "A" requirements of MIL-STD-2073-1D, Appendix A. VI., Table A.VI, Electronic Equipment. Items scheduled for domestic shipment for immediate use or short-term storage shall be to level B requirements.

b. Marking for shipment and storage shall be in accordance with MIL-STD-129.

c. The Marine Corps shall provide the contractor with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site (s). The Marine Corps will be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

### 3.3 Configuration Control

a. The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. If deemed necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request For Deviation (RFD). MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing RFDs.

b. The creation and submission of RFDs shall be accomplished using MEARS CREATE software, which resides at a secure web site, <https://mearsweb.redstone.army.mil>. For the purpose of gaining access to the web site, the contractor shall request user-id and password privileges from the Requiring Office identified in Block 6 of the applicable Contract Data requirements List. The contractor shall direct technical or functional questions concerning usage of MEARS CREATE software to the Requiring Office for guidance. The contractor shall notify the Requiring Office by electronic mail when completed MEARS RFDs are ready for formal submission.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA/Code 573-2) will coordinate GFE/GFM requests and maintain a central control system on all government owned assets in the contractor's possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature on an annual basis to establish a chain of custody and property responsibility for Marine Corps assets. The contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. (This can be done by mailing (Materiel Management Department, Management Control Activity (Code 573-2) 814 Radford Blvd, STE 20320, Albany GA 31704-0320) or faxing (commercial 229-639-5498 or DSN 567-5498) a copy of the DD3148).

3.5 Contractor Furnished Materiel (CFM). The Contractor may requisition materials as required in the performance of this SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP) Chapter 11 provides guidance to the contractors on the requisitioning process. The decision to utilize CFM procured from the DoD Supply System shall be based upon cost effectiveness, availability of materiel and the required completion/delivery date.

### 3.6. Quality Assurance Provisions

3.6.1 The performance of the contractor's quality of work performed, materiel provided and documents written shall be subject to in-process review and inspection by the MCSC (CBG), Albany, Georgia representative during contract performance. Inspection may be accomplished at any work location. The MCSC (CBG), Albany, Georgia representative shall be permitted to observe the work/tasks accomplishment and/or to conduct inspections at any reasonable hour. Acceptance Tests shall be held in-plant. The MCSC (CBG), Albany, Georgia representative

requires, at a minimum, two weeks notification of acceptance test to allow for sufficient time for MCSC (CBG), Albany, Georgia representative to witnessing acceptance, if he or she desires. Inspection by the MCSC (CBG), Albany, Georgia representative of all acceptance tests, materials and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

3.6.2 The contractor shall provide and maintain a Quality System that as a minimum adheres to the requirements of ANSI/ISO/ASQC Q9003-1994. The contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MCSC (CBG), Albany, Georgia representative. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such inspection, it shall be the contractor's responsibility to ensure that the entire system meets the performance requirements of this SOW.

4.0 Reports. All reports deliverables shall be submitted in hard copy to Marine Corps System Command, Attn: (GBG), 814 Radford Blvd, Suite 20320, Albany Georgia 31704-0320, unless directed otherwise in a Contract Data Requirements List.

Monthly Production Status Report. A monthly Production Status Report shall be submitted summarizing the progress and status of the Power Relay Unit.

**(1 Data Item)**

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (D701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PRI No. listed in Block E.

G. PREPARED BY <i>RE Hoffman</i>	H. DATE <i>12/14/01</i>	I. APPROVED BY <i>RE Hoffman</i>	J. DATE <i>12/14/01</i>
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Designed using Perform Pro, WHS/DIOR, Aug 98



(1 Data Item)

Form Approved  
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TOP _____ TM _____ OTHER <u>X</u>						
D. SYSTEM/ITEM AAV Power Relay Unit			E. CONTRACT/PR NO.		F. CONTRACTOR					
1. DATA ITEM NO.  B001		2. TITLE OF DATA ITEM  Request For Deviation			3. SUBTITLE  Configuration Management					
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C			5. CONTRACT REFERENCE SOW 3.3		6. REQUIRING OFFICE MCLBA (583)					
7. DD 250 REQ NO	8. DIST STATEMENT REQUIRED  A	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Blk 16		14. DISTRIBUTION  a. ADDRESSEE  PM, AAV MCLBA (583-1)					
9. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See Blk 16							
16. REMARKS Blk 4 - MEARS CREATE user-id and password will be assigned by the Requiring Office.  Blk 4: MEARS RFD text files shall be submitted electronically using MICROSOFT (.doc) or ADOBE (.pdf) formatted software products.  Blks 12 & 13 - RFDs notification shall be accomplished via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil  Blk 14: Accompanying figures to the text files shall be in a MICROSOFT format or CCITT Group 4 graphic file. Group 4 files shall have a minimum density of 600 dpi.  Blk 14: Questions concerning MEARS CREATE V8.3 functionality shall be directed to the Requiring Office. POC is Doug Smith who may be contacted at DSN 567-6424/25 or email: smithdc@matcom.usmc.mil  Distribution Statement A: Approved for Public Release; Distribution is Unlimited.					b. COPIES Draft 0	Final Reg 0	Repro 0			
					15. TOTAL			0	0	0
					G. PREPARED BY Diane L. Bradley		H. DATE	I. APPROVED BY [Signature]		J. DATE 12/14/01

17. PRICE GROUP

**13. ESTIMATED  
TOTAL PRICE**